

The Custom Script Extension



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A Script Execution Engine



VM Extension

Downloads and runs scripts

Prevents manual script execution

Can integrate into pipelines

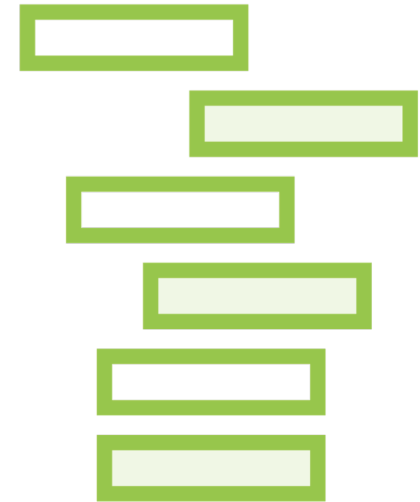
Use Cases



Install applications



Install Windows
features



Integrate into
pipelines



Execution Options

Azure CLI

PowerShell

Azure Portal

ARM Templates



Invoking Scripts



Integrates script execution in an ARM template

Post VM deployment

Example ARM Template

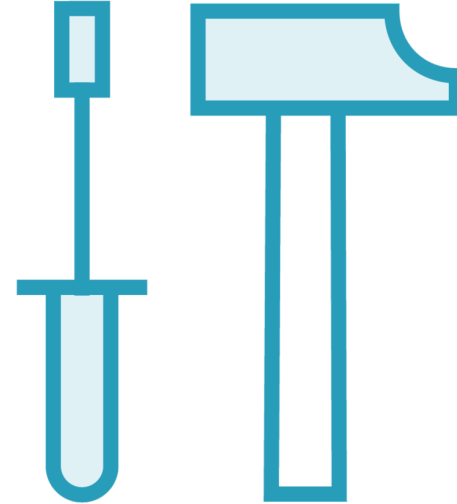
```
{
  "type": "Microsoft.Compute/virtualMachines",
  "apiVersion": "2018-10-01",
  "location": "[resourceGroup().location]",
  "name": "WEBSRV",
  "dependsOn": [],
  "properties": {
    // Various properties here
  },
  "resources": [
    {
      "type": "extensions",
      "name": "WinRMCustomScriptExtension",
      "apiVersion": "2019-07-01",
      "location": "[resourceGroup().location]",
      "dependsOn": [
        "[resourceId('Microsoft.Compute/virtualMachines','WEBSRV')]"
      ],
      "properties": {
        "publisher": "Microsoft.Compute",
        "type": "CustomScriptExtension",
        "typeHandlerVersion": "1.4",
        "autoUpgradeMinorVersion": true,
        "settings": {
          "fileUris": [
            "https://raw.githubusercontent.com/adbertram/MovieApp/master/infra_build_scripts/configure_winrm.ps1"
          ],
          "commandToExecute": "powershell -ExecutionPolicy Unrestricted -file configure_winrm.ps1"
        }
      }
    }
  ]
}
```



Focus Here



Downloads a script and
executes on a VM



Invoked from various tools



The Worry Scale

